Strayer University

**FINAL PROJECT PLAN**

Week 10

Final Project Plan

for the

Course of

Information Technology Capstone

12/10/18

By

Kennedy Kabaso.

Professor: Barrett Christopher.

**Final Project: Project Plan**

**Section 1: Written Project Plan**

1. **Describe the scope of the project and control measures.**
2. **Scope of Project**

Since our company is the Electronic Commerce, therefore it is more than just buying and selling books online. It also includes the entireonline process of developing, marketing, selling, delivering, servicing and paying for products and services.

The scope of this project includes several areas. For each area, there should be a corresponding strategy for incorporating these areas into the overall project.

1. **Applications**. In order to meet the target production date, only these applications will be implemented: The mobile application for the company, the Inventory System and the Rational Databases System. As we would be integrated the different databases, maximum security is going to be taken serous because we will be dealing with huge data from all over the world.
2. **Sites.** These sites are considered part of the implementation: therefore, skilled IT individual needs to be employed to build the best website which is highly optimized on the search engineer of the google. Moreover, traffic must be handled without making the site to go down in case of higher volume.
3. **Process Re-engineering.** Re-engineering will be done to help the company rethink how we do our work to improve our [customer service](https://en.wikipedia.org/wiki/Customer_service) by cutting down the [operational costs](https://en.wikipedia.org/wiki/Operational_costs), and become world-class [competitors](https://en.wikipedia.org/wiki/Competitor)
4. **Customization**. Customizations will be limited to those people in the third world countries because of less bandwidth.
5. **Interfaces**. The interfaces included are: the user interface which would be simplified with an application for the mobile users and a well-designed graphical user interface for desktop computers. All these would be simplified and made user friend for anybody.
6. **Architecture.** Application and Technical Architecture will be updated and improved on to keep up with the technology.
7. **Conversion.** Only the following data and volume will be considered for conversion:

* Data from our regular customers. It is important for our company to identify the data that needs to be transferred from old system to new one and the format of transfer so that it can successfully be used by the new system, therefore we will transfer the one for our usual customers.
* Data from our major distributers. To keep the business easy, all the data from our distributers will be moved to the new system.

1. **Testing**. Testing will include only the traffic on the site which is important for the easy form of the buying process of the books and other transactions. It will be done by the trained engineer who will make sure everything works properly without giving our customer the 404 page. In addition, the whole project will be tested to make sure everything is working before handle to the upper management.
2. **Funding**. Project funding is limited to the expansion of the foreign infrastructure. Therefore, we will be building that according to the profits made in those countries by matching every dollar earn to ten cents invest on building new structure.
3. **Training.** Training will be conducted on all the employees of the company by doing a yearly field training on how to deal with the shipping method without wasting time. This would bring the culture of good customer services and professionalism.
4. **Education.** Education will include those in the management, IT department, customer services and quality assurance. By providing a comprehensive and effective training to the managers and supervisors is an investment that can pay off for your business in both tangible and intangible ways. Having the best trained IT would save the company’s money by incorporated the new technology to the business of the new century. The best Customer service team would be selling the books at a higher rate by giving good service to our customer which will make them come back and build that trust. The quality assurance team will make sure the best books are sold to our customers
5. **Project Control**

Doing such a huge project like our company which is locally and international, requires careful planning as well as money and time. In order to save time and money during project planning and execution, a project controls method is needed by the use of cloud-based project management software. According to an article and I quote “The project controls are the tools that help you save time and [stay on schedule during your project planning and execution](https://www.easyprojects.net/resource-planning-software/), cutting costs.” Looking at this quote has made us come up with software which will help to cut down the cost of the whole project. Therefore, project management software would be necessary for this project to be efficient.

1. **Describe the goals and objectives of the project.**

**1) The Goals of Project**

Online selling is the booming Industrial right now which is popularly know as Ecommerce. One of the companies which has expanded using this is Amazon. It has created millions of jobs here in the USA. And it is estimated to have in investment of 105 billion dollars and it is going to be the world biggest company. Our company is following the same footsteps of doing the Ecommerce book selling business. Therefore, we are trying to expand to meet this growing business by investing into the project. Its goal is to make our company to be the world number one seller and distributor of books. This can be done by establishing physical offices and storage places which can be in form of warehouses, building human resources departments and infrastructure in foreign countries which will facilitate the employing of the region workers. In additional, we are expecting to grow by two hundred thousand employees with a revenue of $2 billon over the next ten years. Moreover, we need to update our window operating system to the current one to meet our need for the software upgrade.

1. **The Objectives of Project**

Executing the above project will give our customers, a well reliable company to buy books from and our employees, a secured company to work for. This would encourage employees to be productive because they can see themselves working for a company which is here to stay. In addition, we would like to take advantage of this mobile technology like the Mobile Self-Service applications enable smartphone, tablet, and other smart devices. They will interactions with the customers on buying book at their convenience. This would result in drive down the costs of books by increase the volume which result in reducing the price. Nowadays, there has been a growing in the number of people using smartphone, and the device. This make them to be near their phone, as a result, an easy to navigate web site which is going to work on different device is the best solution to meet their needs. Therefore, a responsive web design is needed for this task which will make it easy for the customer to navigate the site.

1. **Give a detailed, realistically estimated cost analysis of the entire project.**

# Project Budget

# The whole project would cost the company an estimate of $400,000 and all these

# Investments would be returned in the next five years. The investments in other countries

# would be taken seriously so that everything doesn’t result in the overruns of funds. As project funding is limited to the expansion of those places’ infrastructure, therefore, we will be building that according to the profits made in those countries by matching every dollar earn to ten cents invest on building new structure. The would be no more funds spent for a fast pace growing Ecommerce company which would be the highest selling books company at small percentage of the expansion. All the funds for the whole project are summarized below which is in different categories.

# 

# *Cash flow figure 1*

The above report summary the cash flow of the whole project which is shown above. It

has a cost, in blue and the accumulated costs in orange line of the project which is shown

on the left hand of figure 1.

# 

# *Cost overruns figure 2*

# The above figure shows the cost overruns of the project which is simplified with the bar chart on the right that is between $0 and $8000 of the work completed so far. The other amount will be shown of PM1, engineer 3,4 and the test user based on the amount of work performed.

# 

# *Earned value figures 3*

# The earned value figures are shown above with the amounts in blue on the right top corner of the figure.

# 

# *Resource cost overview 4*

# The above shown figure summarized the resources of the projects and the amount each will cost as it can be seen. The actual cost is shown in blue, the remaining cost is shown in orange and finally, the baseline costs is shown with the grey line which joins them as shown above in figure 4.

# 

***Tasks cost overview 5***

The above figure shows the Tasks cost overview of the project which is in form of a pie

chart on the right of the figure. The $23 680 is the amount of work completed so far,

$63 840 is the cost of late work and the $226 400 is the cost of future tasks. These can

be seen in blue, orange and grey respectively.

1. **Relate the value of the project plan solution to the competitive advantage that information technology will afford your organization.**

**Solution**

* After completing the whole project of building an ecommerce, our company would provide and maintain a quick way of selling books online world wide which will attract users and buyers as well as employees who want to work for the ecommerce company. In addition, the company would keep up with these technology by give our customers an easy platform of buying books online using all kinds of mobiles devices on the market. Moreover, our IT department would make sure the site is available at all time using the method of business continuity during the time of a disaster. All these changes will be made in an unobtrusive, cost-effective manner which can be good for the company in terms of saving in the long run. The project will also establish the network infrastructure, the databases for our inventory, customer, sales and other business-related things. To keep up with higher demand, there would be control of traffic on the network by building the expandable server to handle the future expansion and the building of website which would be our main user interaction.

1. **Provide all aspects of the information technology implementation into the project plan.**

The Implementation is the process of putting our decision or plan into execution. As a result, there are a lot of stages which are taken into consideration on this implementation of the project which are as follows:

* + **Our company’s needs**. This is where the requirements of our company are address such as an optimized Website which is easy to use by every customer without any problem, a physical office with the best network infrastructure need to be built. Also, more ground workers in foreign countries need to be employed and a better shipping method need to be created.
  + **Higher Level Design**. At this stage, all the function about the design would be specified and how the system would work will be explained. These things are the location of those physical building in the foreign countries and the actual address of those location, the location of those storage building and address, the recruiting places and method for the foreign workers, and finally, a well trusted freight company to hand the shipping methods.
  + **Details Design**. All the details of the project would be specified which will be in form of a tables and flow chart. All kinds of tables in the Databases, how the are related to one another and the types of Databases used, which will be connected to other Databases on the cloud. In additional, flow chart which shows the movement of Data in our company. Moreover, the physical and the logical design is specified in here.
  + **System Configuration**. All the configuration of the systems in our company which we will be dealing with. All the interconnection of all our company’s Wide Network Area including the foreign countries and if we will be using the internet approach of connection to our virtual private network.
  + **System Implementation**. This is the final of the putting everything together by doing everything for the project to put it into the operation mode. The major engineers would be working tireless to make sure the whole project is done according to the actual design. Users can be brought into the operating stages to get their feedback.
  + **System Maintenance**. This is where the system throughout the whole company would be tested and making sure everything is working which will be done after the implementation. Different tests will be carried out and the employees will work with the system. If any problem is found, this is the stage where it will needs to be fixed and documented.

**Bibliography.**

1. (Kerzner i) Kerzner, Harold R. *Project Management - Best Practices: Achieving Global Excellence, 3rd Edition*. John Wiley & Sons P&T, 01/2014.
2. Roberts, D. (2013). *Unleashing the power of IT*. (2nd ed.). Hoboken, NJ: John Wiley & Sons, Inc.
3. http://www.ambysoft.com/unifiedprocess/aup11/html/inception.html<http://support.sas.com/resources/papers/proceedings17/SAS0436-2017.pdf>
4. <https://econsultancy.com/reports/building-an-ecommerce-team/>
5. <https://searchnetworking.techtarget.com/answer/Why-is-it-useful-to-use-both-a-physical-and-a-logical-network-design>
6. <https://www.wipo.int/edocs/mdocs/scit/en/scit_4/scit_4_2-annex2.pdf>
7. <https://implementationscience.biomedcentral.com/articles/10.1186/1748-5908-9-43>